

## Listing of Claims

1. (Currently Amended) A method for determining ~~[[the]]~~ a resolution of blood glucose, comprises comprising:

obtaining ~~[[a]]~~ an analogy analog signal source from ~~[[the]]~~ a blood glucose solution being ~~transferred into~~ applied to ~~[[the]]~~ an amplifier circuit which ~~comprising~~ includes ~~a resistance, a referenced reference resistance and a referenced voltage;~~

transforming said ~~analogy~~ analog signal source ~~to be into~~ a digital signal;

treating said digital signal;

~~transferring out~~ transmitting said digital signal with a rising curve ~~which would get to obtain~~ ~~[[a]]~~ an approximate local maximum peak value of said rising curve; and

calculating ~~determining~~ said resolution of blood glucose according to said ~~resistance, said referenced resistance, said referenced voltage and said~~ approximate local maximum peak value.

2. (Currently Amended) The method according to claim 1, wherein said ~~analogy~~ analog signal source ~~coming is generated from a chemical reaction caused by placing~~ is generated ~~at least in part, in response to application of~~ the blood glucose solution ~~reacts on~~ ~~[[the]]~~ a test strip having a catalyst.

3. (Currently Amended) The method according to claim 2, wherein said analog signal source is generated at least in part, on ~~chemical reaction comprising~~ an oxidation reduction reaction occurring in response to said application of said test strip.

4. (Currently Amended) The method ~~accordance with~~ according to claim 1, wherein said transforming said ~~analogy~~ analog signal source ~~comprising~~ includes ~~transferring~~ transmitting said ~~analogy~~ analog signal source through ~~[[a]]~~ an analogy analog front end (AFE)

5. (Currently Amended) The method according to claim 1, wherein said ~~peak~~ approximate local maximum value being the difference between ~~[[the]]~~ a first time ( $t_1$ ) and ~~[[the]]~~ an initial time ( $t_0$ ) and

said difference being larger than zero.

6. (Currently Amended) The method according to claim 1, ~~wherein~~ and further comprising:

determining [[a]] an average peak value calculating the of a plurality of said peak approximate local maximum value values after a pre-setting sampling time.

7. (Currently Amended) The method according to claim 1, ~~wherein~~ and further comprising:

providing a mapping table of said an outputted voltage and a [[said]] plurality of peak value approximate local maximum values from [[the]] a plurality of said rising curves.

8. (Currently Amended) A method for determining the resolution of blood glucose, ~~comprises~~ comprising:

providing [[the]] a blood glucose solution for reacts reaction on [[the]] a test strip to product produce [[a]] an analogy analog signal source;

transferring transmitting said analogy analog signal source into a measuring circuit;

transforming said analogy analog signal source to be into a digital signal;

transferring out outputting said digital signal with a rising curve;

calculating determining [[a]] an average peak value at [[on]] a peak an approximate local maximum point of said rising curve after a pre-setting sampling time; and

calculating determining said resolution of blood glucose according to said average peak value.

9. (Currently Amended) The method according to claim 8, wherein ~~which~~ said test strip ~~containing~~ includes a catalyst.

10. (Currently Amended) The method ~~accordance with~~ according to claim 8, ~~wherein the method of~~ and further comprising:

producing said analogy analog signal source comprising at least in part in response to an oxidation reduction reaction.

11. (Currently Amended) The method ~~accordance with~~ according to claim 8, wherein said measuring circuit ~~comprising includes~~ includes a resistance, a reference resistance and a reference voltage.

12. (Currently Amended) The method ~~accordance with~~ according to claim 8, wherein said transforming said ~~analog~~ analog signal source ~~comprising includes~~ includes transferring transmitting said ~~analog~~ analog signal source through ~~[[a]]~~ an ~~analog~~ analog front end (AFE).

13. (Currently Amended) The method according to claim 8, ~~wherein~~ and further comprising ~~calculating~~ determining a peak an approximate local maximum value of said rising curve.

14. (Currently Amended) The method according to claim 13, wherein said ~~peak~~ approximate local maximum value being ~~[[the]]~~ a difference between ~~[[the]]~~ a first time ( $t_1$ ) and ~~[[the]]~~ an initial time ( $t_0$ ) and said difference being larger than zero.

15. (Currently Amended) The method according to claim ~~[[8]]~~ 11, wherein ~~calculating of~~ said resolution of blood glucose ~~according to said average peak value further comprising according to~~ is determined at least in part based on said resistance, said reference resistance and said reference voltage.

16. (Currently Amended) A method for determining the resolution of blood glucose, ~~comprises~~ comprising:

providing ~~[[the]]~~ a blood glucose solution ~~for reacts~~ reaction on ~~[[the]]~~ a test strip having an enzyme to ~~product~~ produce ~~[[a]]~~ an ~~analog~~ analog signal source;

~~transferring~~ transmitting said ~~analog~~ analog signal source into a measurement circuit;

transforming said ~~analog~~ analog signal source ~~to be~~ into a digital signal;

~~transferring out~~ outputting said digital signal with a rising curve;

~~calculating~~ determining a peak an approximate local maximum value of said rising curve; and

making a mapping table of said peak approximate local maximum value and ~~[[a]]~~ an outputted voltage.

17. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein the method of and further comprising:

producing said ~~analog~~ analog signal source ~~comprising at least in part in response to an~~ oxidation reduction reaction.

18. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said transforming said ~~analog~~ analog signal source ~~comprising transferring~~ further comprises transmitting said ~~analog~~ analog signal source through ~~[[a]]~~ an ~~analog~~ analog front end (AFE).

19. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said measuring circuit ~~comprising~~ includes a resistance.

20. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said measuring circuit ~~comprising~~ includes a reference resistance.

21. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said measuring circuit ~~comprising~~ includes a reference voltage.

22. (Currently Amended) The method ~~accordance with~~ according to claim 16, wherein said outputted voltage being is determined by said reference voltage.